2019

Part - II

STATISTICS

(HONOURS)

Paper - IV

Full Marks - 45

Time: 2 Hours

The figures in the right hand margin indicate marks.

Candidates are required to give their answers in their own words as far as practicable.

Illustrate the answers wherever necessary.

GROUP - A

Answer any one question : 10

10×1=10

- (a) (i) Write a program in C to calculate the correlation co-efficient of a grouped frequency distribution.
 - (ii) Describe any two decision control structures used in c programming.3
- (b) Carry out the following conversions: 6
- (i) $(35 \cdot AC)_{16} = (....)_{8}$
- (ii) $(46.94)_{10} = (....)_2$
- (iii) $(1101 \cdot 111)_2 = ()_{10}$

P.T.O.

	(iv)	Write a flowchart to find the maximum natural numbers.	m of three 4
2.	Answer any two questions : 5×		5×2=10
	(a)	Explain the process used to fit a linto a given set of data in MS-excel.	ear trend 5
	(b)	What are the different computer lar used? What do you mean by an or system?	
	(c)	Add the following binary numbers :	
	(i)	1111 101 and 101 111	$2\frac{1}{2}$
	(ii)	101011 and 1110	$2\frac{1}{2}$
GROUP - B			
3.	Ans	wer any three questions :	5×3=15
	(a)	What do you mean by a life Distinguish between a complete life an abridged life table.	
٩	(b)	Define total fertility rate (TFR). I theadvantages of TFR over other fertility	
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- (a) Describe the errors that arise in vital data. 5
 - (d) Discuss briefly the component method for population projection.
 - (e) Differentiate between morbidity incidence rate and morbidity prevalance rate. 5
- 4. Answer any **one** question: 10×1=10
 - (a) Describe the different functions used in a complete life table.
 - (b) What do you mean by population forecasting?

Discuss the use of Rhode's method for population forecasting. 2+8